([illegible]

# [illegible]

[illegible] [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] leukotomy [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]Molecular Clock [illegible]

[illegible]Behaviorism[illegible]

[illegible]tradeoff[illegible]

[illegible]“[illegible]”[illegible]Demis Hassabis [illegible] Deepmind [illegible] potentially a meta-solution to any problem[illegible]Deepmind [illegible] Reward is Enough[illegible]

“[illegible]”[illegible] causation [illegible]Demis Hassabis [illegible] any problem[illegible]

[illegible] Demis Hassabis [illegible] any problem[illegible]

[illegible]

[illegible] SAE level 4 [illegible]

[illegible] Waymo [illegible] SAE level 4 [illegible] SAE level 5[illegible]

[illegible] SAE level 4 [illegible]

[illegible]

AI: A Modern Approach [illegible]

[illegible] AlphaGo Zero [illegible]

Leukotomy [illegible]Leukotomy [illegible]Leukotomy [illegible] selfish gene [illegible]

[illegible]logical positivism [illegible] logical empiricism[illegible]

[illegible]

Universal Approximation Theorem [illegible] Nash Embedding Theorems [illegible] word-embedding Vector Space [illegible]

Deepmind [illegible] AlphaGo Zero [illegible]

[illegible]

[illegible]

[illegible] reward[illegible] Deepmind [illegible] Reward is Enough [illegible]

[illegible] A Treatise on Probability [illegible] causation [illegible]

[illegible]causation [illegible]

[illegible]

1[illegible]
2[illegible]
3[illegible]

[illegible]“Confucius taught that marriage lies at the foundation of government.”[illegible] causation [illegible]

[illegible]Marc Aurel Stein[illegible]John Leighton Stuart[illegible]

[illegible] causation [illegible]

[illegible]

[illegible]Demis Hassabis [illegible]

[illegible]

[illegible] Totally Ordered Set[illegible]

[illegible]

## [illegible]

[illegible]

[illegible] Hawthorne effect [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## [illegible]

[illegible] context [illegible]

[illegible]

[illegible]

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

[illegible]

[illegible]

[illegible]

[illegible] emperor[illegible]king [illegible] queen[illegible] Queen Victoria [illegible] Queen of the United Kingdom(UK) [illegible] Empress of India[illegible]UK [illegible] UK [illegible] UK [illegible]

UK[illegible]

[illegible] Царь [illegible]Царь [illegible] Caesar[illegible] Царь [illegible] Царь [illegible] Император [illegible]

[illegible] Demis Hassabis [illegible] potentially a meta-solution to any problem[illegible]

[illegible]

[illegible]

NIH [illegible] leukotomy[illegible]

[illegible] leukotomy [illegible]

[illegible]

[illegible]

## [illegible]

[illegible]

First, if scientists have tried, and failed, to come up with an alternative theory that explains a phenomenon well, that counts as evidence in favor of the original theory. Second, if a theory keeps seeming like a better idea the more you study it, that’s another plus-one. And if a line of thought produced a theory that evidence later supported, chances are it will again.

[illegible]Historia Naturalis[illegible]Philosophiae Naturalis[illegible]scientia naturalis[illegible]

[illegible]

## [illegible]

[illegible]

[illegible]

[illegible]

[illegible] Are there really many worlds in the "Many-worlds interpretation" of Quantum Mechanics?[illegible]the development of «decoherence theory» revealed that, using the standard formalism of quantum mechanics, macroscopically distinct branches of the wavefunction were almost entirely free from interference and evolve approximately classically[illegible] almost [illegible]

[illegible]The Many-worlds Interpretation[illegible]

[illegible]“[illegible]”[illegible]

[illegible]“[illegible]”[illegible]

[illegible]

[illegible]

## [illegible]

[illegible]

[illegible]

[illegible]

1975 [illegible] Robert McNamara [illegible] 1976 [illegible] Steve Jobs [illegible] Apple[illegible]

[illegible]

Deep Learning [illegible] reinforcement learning [illegible]Brain in a vat[illegible]

Demis Hassabis [illegible] potentially a meta-solution to any problem[illegible]“[illegible]”[illegible] metaphysics from human does not work[illegible]

[illegible] superstition[illegible]

[illegible]

[illegible]5G/6G[illegible]Starlink [illegible]

[illegible]

## [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] commodity [illegible]

[illegible]

[illegible]

[illegible]

Robert McNamara [illegible] Whiz Kids[illegible]McNamara [illegible]Henry Kissinger [illegible] McNamara [illegible]McNamara [illegible] Kissinger [illegible] Aspen Institute [illegible] Henry Kissinger [illegible]

[illegible]·[illegible]

[illegible]

[illegible] 1945 [illegible] 1967 [illegible]

[illegible] Pepper [illegible]“[illegible]”[illegible]Pepper [illegible]

[illegible] AlphaGo Zero [illegible] superhuman [illegible]

[illegible] Deep Learning Is Hitting a Wall[illegible][https://nautil.us/deep-learning-is-hitting-a-wall-14467/](https://nautil.us/deep-learning-is-hitting-a-wall-14467/)[illegible]

[illegible] not scaling [illegible] toxicity [illegible]

[illegible]

## [illegible]

[illegible]

1. [illegible]UTStarcom [illegible]

2. [illegible]

3. [illegible] WebEx[illegible]Zoom [illegible]

4. [illegible] Aldebaran Robotics [illegible] ARM[illegible] Pepper[illegible]

[illegible]Nvidia [illegible] ARM [illegible] Pepper [illegible]Alphabet [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

## [illegible]

[illegible]

[illegible]common sense[illegible]Historia Naturalis[illegible]

[illegible]Philosophiae Naturalis[illegible]

[illegible]Philosophiae Naturalis[illegible]Philosophiae Naturalis[illegible]scientia naturalis[illegible]

## [illegible]

[illegible]

Marvin Minsky [illegible] The Emotion Machine: Commonsense Thinking, Artificial Intelligence, and the Future of the Human Mind[illegible]emotion[illegible]machine[illegible] Turing Test [illegible]

[illegible] Minsky [illegible]

[illegible] AI: A Modern Approach [illegible]

[illegible] SAE level 4 [illegible]

[illegible] Pepper [illegible]

[illegible]

[illegible] consciousness [illegible]

[illegible] killing [illegible]

[illegible]

[illegible]

[illegible]

## [illegible] **Nash equilibrium** [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Nature [illegible] AlphaGo Zero [illegible] Deepmind/Alphanet [illegible] retire AlphaGo Zero [illegible] AlphaGo Zero [illegible] Nature [illegible] AlphaGo Zero [illegible] game [illegible] game theory [illegible]

[illegible] Hilbert space [illegible] Universal Approximation Theorem [illegible]

[illegible]

[illegible]logical positivism [illegible] logical empiricism[illegible]

[illegible] deep learning[illegible]reinforcement learning [illegible]Constructivism[illegible]

[illegible]

[illegible]

[illegible]Waymo [illegible] MIT [illegible] presentation [illegible] Taming the Long Tail of Automous Drinving Challenges[illegible] Waymo [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] AI: A Modern Approach [illegible] Wind tunnel approach [illegible]

[illegible]

[illegible]